

Remove Duplicate Letters [\(View\)](#)

Given a string `s`, remove duplicate letters so that every letter appears once and only once. You must make sure your result is **the smallest in lexicographical order** among all possible results.

Example 1:

Input: `s = "bcabc"`

Output: `"abc"`

Example 2:

Input: `s = "cbacdcbc"`

Output: `"acdb"`

Constraints:

- `1 <= s.length <= 104`
- `s` consists of lowercase English letters.